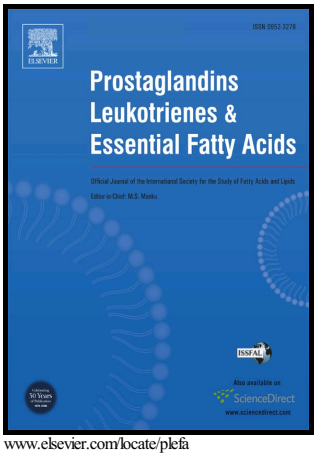

www.elsevier.com/locate/plefa

Peri-Conception Maternal Lipid Profiles Predict Pregnancy Outcomes

Enitan Ogundipe, Mark R. Johnson, Yiqun Wang, Michael A. Crawford

PII: S0952-3278(16)30039-4
DOI: http://dx.doi.org/10.1016/j.plefa.2016.08.012
Reference: YPLEF1772

To appear in: *Prostaglandins Leukotrienes and Essential Fatty Acids*

Received date: 18 April 2016
Revised date: 21 August 2016
Accepted date: 22 August 2016

Cite this article as: Enitan Ogundipe, Mark R. Johnson, Yiqun Wang and Michael A. Crawford, Peri-Conception Maternal Lipid Profiles Predict Pregnancy Outcomes, *Prostaglandins Leukotrienes and Essential Fatty Acids* http://dx.doi.org/10.1016/j.plefa.2016.08.012

Peri-Conception Maternal Lipid Profiles Predict Pregnancy Outcomes

Enitan Ogundipe[a], Mark R. Johnson[b], Yiqun Wang[c], Michael A. Crawford[b,]

[a] *Neonatal unit, Chelsea and Westminster Hospital, London, Division of Medicine, Imperial college, London, UK*

[b] *Division of Obstetrics and Gynaecology, Department of Surgery and Cancer, Imperial College London, Chelsea and Westminster Hospital Campus, London, UK*

[c] *Division of Medicine, Imperial College London, Chelsea and Westminster Hospital Campus, London, UK*

*Correspondence should be addressed to: Michael A Crawford, Visiting Professor
Division of Obstetrics and Gynaecology, Department of Surgery and Cancer, Faculty of Medicine, Imperial College London, Chelsea and Westminster Hospital, 369 Fulham Road, London SW10 9NH, United Kingdom; E-mail: michael.crawford@imperial.ac.uk, Tel. +44 (0) 2033157899, Fax. +44 (0) 2033153090

Sources of Funding:
The Mother and Child Foundation, Letten Foundation, Waterloo Foundation and Vifor Pharma, Switzerland.

Abbreviations: AA, Arachidonic acid**;** DHA, Docosahexaenoic acid; ROC, Receiver operating characteristic; EFA, Essential fatty acids; ALSPAC; The Avon Longitudinal Study of Parents and Children; EPA, Eicosapentaenoic acid; GDM, Gestational diabetes mellitus; PET, Pre-eclamptic toxaemia; LBW, Low birth weight; HIV, Human immunodeficiency virus; NHC, Normal healthy controls; GLA, Gamma-linolenic acid; BHT, Butylated hydroxytoluene; FAME, Fatty acid methyl esters; AUC, Area under the curve; MUFA, Mono-unsaturated fatty acids; SAG, sn-1-stearoyl-2-arachidonoylglycerol; LC-PUFA, Long-chain polyunsaturated fatty acids; RBC, Red blood cells; BMI, Body mass index; BW, Birth weight; LC, Long chain.